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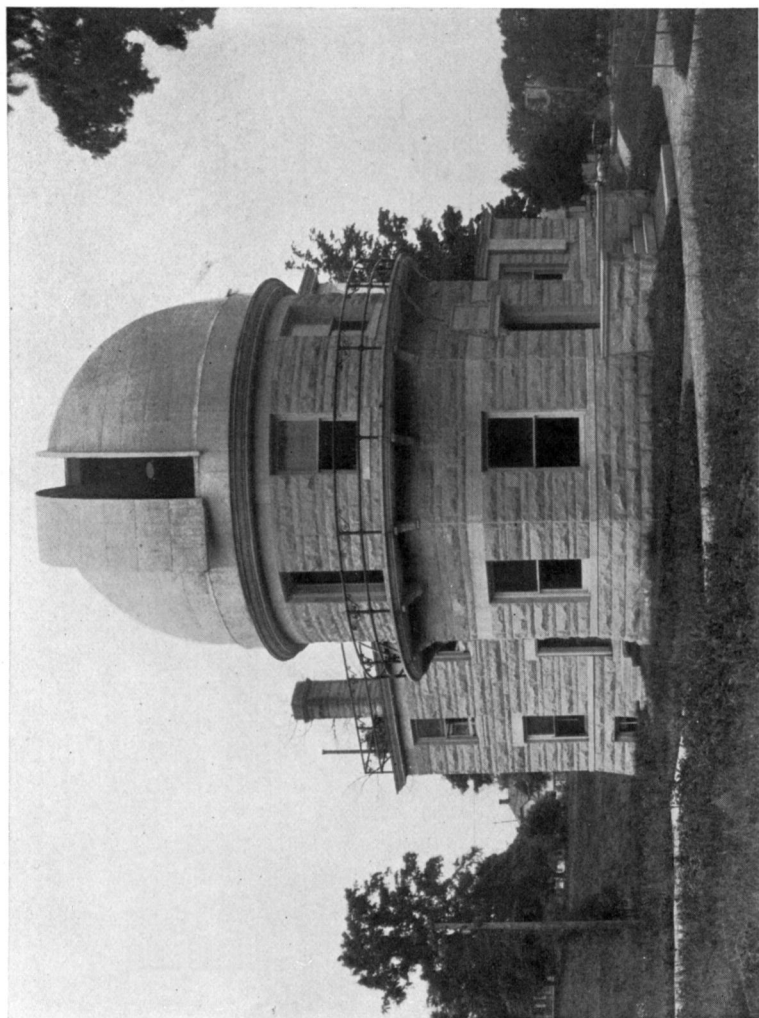
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KIRKWOOD OBSERVATORY, INDIANA UNIVERSITY

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THE KIRKWOOD OBSERVATORY OF INDIANA
UNIVERSITY.

BY JOHN A. MILLER, DIRECTOR.

At its November meeting of 1899, the board of trustees of Indiana University appropriated a sum of money for the purchase of a telescope and some accessories, and for the erection of an observatory. The design of the board, that this equipment is to be used in part for instruction and in part for purposes of research, determined largely the character of the instruments afterwards purchased.

The observatory, a cut of which appears on the opposite page, is built of Indiana limestone, in which this region abounds, and was completed last winter. It contains six rooms—a library and computing-room; a lecture-room, which may be darkened at any time, equipped with a Colt electric lantern, lantern-slides, and other illustrative apparatus; a convenient dark-room; a transit-room; the dome-room, and a room similar to it and immediately below it.

The skeleton of the dome, which is twenty-six feet in diameter, is of white pine, and is built according to plans furnished by Messrs. WARNER & SWASEY, who also furnished the running mechanism. It is covered with tin. The performance of both dome and shutter is entirely satisfactory. In the dome-room is mounted a twelve-inch refractor. The objective is by BRASHEAR, and is of high optical excellence, giving star-images which are free from fringes or distortion and on a black field. The mounting is by WARNER & SWASEY. It is provided with coarse and fine circles in both Declination and Right Ascension, the fine ones being provided with reading-microscopes and electric illumi-

nation. The star-dial, from which the Right Ascensions can be read directly, is of almost indispensable convenience. The driving-clock drives regularly, and the entire mounting is of the highest mechanical excellence. The telescope has as accessories a micrometer, by WARNER & SWASEY, provided with electric illumination; a polarizing helioscope, and a battery of positive and negative eye-pieces. The transit-room contains a small universal instrument by BAMBERG, a chronograph by FAUTH & COMPANY, a Bond sidereal chronometer, and a sidereal clock.

These instruments, together with a portrait lens of five inches aperture and a Browning equatorial of four inches aperture, which for many years have been the property of the university, constitute a nucleus around which the university authorities hope to collect a more complete equipment.

The observatory bears the name of Dr. DANIEL KIRKWOOD, the eminent astronomer, who for nearly half a century was a member of the faculty of the university, and who by his manly qualities won the lasting esteem of his students and colleagues, and by his devotion to his science a lasting name among his contemporaries.

The observatory was formally dedicated on May 15, 1901. The dedicatory address was given by Professor W. J. HUSSEY, Astronomer in the Lick Observatory. He spoke of "Astronomy and Modern Life." President JOSEPH SWAIN spoke of "Personal Recollections of Dr. KIRKWOOD."

We of the observatory take this opportunity to acknowledge our obligations to Professor HUSSEY for his thoughtful address and his kindly interest in our equipment.

DANIEL KIRKWOOD.*

By JOSEPH SWAIN.

At Riverside in California there died in his eighty-first year an aged man who was of more interest to the people who have known him and loved him (for to have known him was to love him) than all the groves of orange and palm-trees, than all the

* An address delivered at the dedication of the Kirkwood Observatory, University of Indiana, May 15, 1901.